

REMARKS

The above-noted amendments to the claims, as well as the submission of a revised specification and a new abstract, are respectfully submitted prior to the initiation of prosecution of this application in the United States Patent and Trademark Office. Claims 1 and 4 have been amended; claims 2, 3, 5 and 6 have been cancelled and claims 7-10 have been newly inserted. These claim amendments are respectfully submitted in order to more clearly and appropriately claim the subject matter which applicants consider to constitute their inventive contribution. No new matter is included in these amendments. In addition, the revisions to the Abstract and Specification are submitted in order to clarify and correct the Abstract and Specification and to conform them to all of the requirements of U.S. practice. No new matter is included in these amendments.

In view of the above, it is respectfully requested that these amendments now be entered, and that prosecution on the merits of this application now be initiated. If, however, for any reason the Examiner does not believe such action can be taken, it is respectfully requested that he/she telephone applicant's attorney at (908) 654-5000 in order to overcome any objections which he/she may have.


Application No.: 10/569,150

Docket No.: SONYJP 3.3-402

If there are any additional charges in connection with this requested amendment, the Examiner is authorized to charge applicant's Deposit Account No. 12-1095 therefor.

Dated: October 10, 2006

Respectfully submitted,

By 

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ABSTRACT OF THE DISCLOSURE

~~It aims at achieving~~ An antenna achieves effective diversity reception in even a small sized wireless signal-receiving apparatus, improvement in the sensitivity of the antenna, and implementation of ~~the~~ a small size, ~~the~~ a lower power consumption, and ~~the~~ a low price of the antenna. The antenna ~~100~~ has antenna elements ~~10~~ and ~~11~~ that are positioned at a smaller distance apart than a half wavelength of ~~a~~ the frequency of a signal to be received, a first transmission line ~~L1~~ and ~~a~~ transmission line ~~L2~~ and a second transmission line having a delay circuit ~~14~~ with a predetermined electric length, and a changeover switch ~~13~~. ~~A~~ The difference of ~~a~~ an ~~the~~ electric length of a path that passes from ~~the~~ one antenna element ~~10~~ through one of the transmission lines ~~L1~~ or ~~L2~~ toward a synthesizer ~~15~~ from ~~a~~ an ~~the~~ electric length of a path that passes from the other antenna element ~~11~~ through the other transmission line ~~L2~~ or ~~L1~~ toward the synthesizer ~~15~~ is set so as to become $(\lambda/2-\alpha)$ or $(-\lambda/2+\alpha)$. When receiving a signal, the changeover switch ~~13~~ changes based on a control signal, so that the directivity of the antenna ~~100~~ can vary.